Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION

Attorney Docket No.		H0610.0019/P019-A						
First Inventor		Soren G. Thomsen						
Title	PROCESS A	AND REACTOR FOR CARRYING OUT ATIC CATALYTIC REACTIONS						

TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. MS Patent Application Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) 7. X Computer Program (Appendix) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission 8. (if applicable, all necessary) See 37 CFR 1.27. [Total Pages Computer Readable Form (CRF) 3. Х Specification (preferred arrangement set forth below)
- Descriptive title of the invention b. Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or Cross Reference to Related Applications Paper Statement Regarding Fed sponsored R & D Statements verifying identity of above copies Reference to sequence listing, a table. or a computer program listing appendix **ACCOMPANYING APPLICATION PARTS** Background of the Invention
 Brief Summary of the Invention Brief Description of the Drawings (if filed) 9. Assignment Papers (cover sheet & document(s)) - Detailed Description 37 CFR 3.73(b) Statement Power of - Claim(s) 10. - Abstract of the Disclosure (when there is an assignee) English Translation Document (if applicable) X Drawing(s) (35 U.S.C. 113) [Total Sheets 11. Information Disclosure Copies of IDS 5. Oath or Declaration [Total Sheets 12. Х Statement (IDS)/PTO-1449 Citations 13. Х **Preliminary Amendment** Newly executed (original or copy) Return Receipt Postcard (MPEP 503) Copy from a prior application (37 CFR 1.63(d)) 14. Х (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) 15. **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) named in the prior application, Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). 16. Applicant must attach form PTO/SB/35 or its equivalent. see 37 CFR 1.63(d)(2) and 1.33(b). 17. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the spe<u>cification following the title, or in an Application Data Sheet under 37 CFR 1.76:</u> Continuation-in-part (CIP) of prior application No.: Continuation | X | Divisional 09/722,482 W. A. Langel Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 24998 Correspondence address below DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Name Stephen A. Soffen 2101 L Street NW Address 20037-1526 City Washington DC Zip Code (202) 887-0689 (202) 785-9700 Fax Country US Telephone Name (Print/Type) Stephen A. Soffen Registration No. (Attorney/Agent) 31,063 Date February 18, 2004 Sianature



Not Yet Assigned

February 18, 2004

PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application Number

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Filing Date First Named Inventor Soren G. Thomsen **Examiner Name** Not Yet Assigned Not Yet Assigned Art Unit

Complete if Known

TOTAL AMOUNT OF PAYMENT (\$) 770.00						Attorney Docket No. H0610.0019/P019-A							
METHOD OF PAYMENT (check all that apply)						FEE CALCULATION (continued)							
Check X Credit Money Order Other None						3. ADDITIONAL FEES							
Deposit Account:													
Deposi						Large Fee	Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe						
Accour Numbe				04-1073			Code	(\$)	Code	(\$)		Fee Description	Fee Paid
Deposi		Dic	kste	in Shapiro M	orin &		1051	130	2051	65	Surcharge	e - late filing fee or oath	
Name	Name Oshinsky LLP					1052	50	2052	25	Surcharge sheet.	e – late provisional filing fee or cove	er	
The Director is authorized to: (check all that apply) Charge fee(s) indicated below X Credit any overpayments						4050	400	4050	400			ļ	
	narge i	ee(s) ind	licated	below X	Credit any d	overpayments	1053	130	1053	130	•	ish specification	
Charge any additional fee(s) or any underpayment of fee(s)					1812	2,520	1812	2,520	•	request for ex parte reexamination	L		
\bigcap_{c}	harge f	ee(s) inc	dicated	below, except for	the filing f	ee	1804	920*	1804	920*	Requestir Examiner	ng publication of SIR prior to action	
to the above-identified deposit account.					1805	1,840*	1805	1,840*	Requestin Examiner	ng publication of SIR after action			
			FEE	CALCULATIO	N		1251	110	2251	55		for reply within first month	
1. BA	SIC F	ILING	FEE				1252	420	2252	210	Extension	for reply within second month	
Large E	Entity	Small	Entity	<i>,</i>			1253	950	2253	475	Extension	for reply within third month	
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Descr	<u>ription</u>	Fee Paid	1254	1,480	2254	740	Extension	for reply within fourth month	
1001	770	2001	385	Utility filing	fee	770.00	1255	2,010	2255	1,005	Extension	for reply within fifth month	
1002	340	2002	170	Design filing	g fee		1401	330	2401	165	Notice of	Appeal	
1003	530	2003	265	Plant filing f	fee		1402	330	2402	165	Filing a br	ief in support of an appeal	
1004	770	2004	385	Reissue filir	ng fee		1403	290	2403	145	Request for	or oral hearing	
1005	160	2005	80	Provisional	filing fee		1451	1,510	1451	1,510	Petition to	institute a public use proceeding	
			CHE	TOTAL (1)	(\$)	770.00	1452	110	2452	55	Petition to	revive – unavoidable	
			JUD	IOIAL (I)	(Φ)		1453	1,330	2453	665	Petition to	revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE						1501	1,330	2501	665	Utility issu	re fee (or reissue)		
					e from selow	Fee Paid	1502	480	2502	240	Design iss	sue fee	
Total Cla	aims	3	-20**		=		1503	640 '	2503	320	Plant issu	e fee	
Indepen	dent	1	-3**	×		0.00	1460	130	1460	130	Petitions t	to the Commissioner	
Claims Multiple	Deper	ndent			=		1807	50	1807	50	Processin	ng fee under 37 CFR 1.17(q)	
Large E	ntity	Small	Entity				1806	180	1806	180	Submissio	on of Information Disclosure Stmt	
Fee Code	Fee (\$)	Fee Code	Fee (\$)	-	<u>Descriptio</u>	<u>n</u>	8021	40	8021	40		g each patent assignment per times number of properties)	
1202	18	2202	9	Claims in excess	s of 20		1809	770	2809	385		ubmission after final rejection	
1201	86	2201	43	Independent clai	ims in exce	ess of 3	1810	770	2810	385	•	additional invention to be	
1203	290	2203	145	Multiple depende		-						(37CFR 1.129(b))	<u> </u>
1204	86	2204	43	** Reissue indep over original p		aims	1801	770	2801	385	•	for Continued Examination (RCE) for expedited examination	<u> </u>
1205	18	2205	9	** Reissue claim		s of 20	1802	900	1802	900		n application	
and over original patent					Other	fee (spe	cify)			·····	. L <u> </u>		
SUBTOTAL (2) (\$) 0.00					*Redu	iced by E	Basic Fi	ling Fee	Paid	SUBTOTAL (3) (\$)	0.00		
**or number previously paid, if greater; For Reissues, see above						-							

SUBMITTED BY		(Complete	(Complete (if applicable))			
Name (Print/Type)	Stephen A. Soffen	/	Registrati (Attorney/	31,063	Telephone	(202) 828-4879
Signature	Steph al	x	1		Date	February 18, 2004
			,	 		